



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : Metin N. Gurcan
Serial No. : 10/600,783
Filed : June 20, 2003
Title : COMPUTER-AIDED DETECTION METHODS IN
VOLUMETRIC IMAGERY
Docket : QUA 070 PA
Art Unit : 2123

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria VA 22313-1450 on October 20, 2003.

Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450


Attorney Michael D. Folkerts Reg. No.33,348

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, AND 1.98

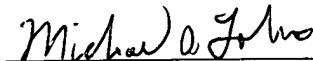
Applicant submits herewith patents, publications, and other information of which he is aware, which he believes may be material, as defined in 37 CFR § 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 CFR § 1.97(h), constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR § 1.97(g), the filing of this Statement should not be construed as a statement that a search has been made or that no other material information exists.

Docket No. QUA 070 PA
Serial No. 10/600,783

This Information Disclosure Statement is being filed within the period set forth in 37 CFR § 1.97(b) because it is believed to be filed before the mailing of a first Office action on the merits.

Respectfully submitted,

STEVENS & SHOWALTER, L.L.P.

A handwritten signature in cursive script, appearing to read "Michael D. Folkerts", is written over a horizontal line.

Michael D. Folkerts
Registration No. 33,348

7019 Corporate Way
Dayton OH 45459-4238
Telephone: (937) 438-6848
Facsimile: (937) 438-2124
E-mail: mfolkerts@speakeasy.net



PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/600,783
Filing Date	June 20, 2003
First Named Inventor	Metin N. Gurcan
Art Unit	2123
Examiner Name	
Attorney Docket Number	QUA 070 PA

ENCLOSURES (Check all that apply)

- | | | |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment/Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Response to Missing Parts/
Incomplete Application
<input type="checkbox"/> Response to Missing Parts
under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a
Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation
Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication
to Group
<input type="checkbox"/> Appeal Communication to Board
of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please
Identify below):
Statement Under 37 CFR 3.73(b)
and Return Receipt Postcard |
|---|--|--|

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Michael D. Folkerts, Reg. No. 33,348
Signature	<i>Michael D. Folkerts</i>
Date	10-20-03

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Michael D. Folkerts
-----------------------	---------------------

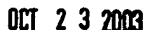
Signature

Michael D. Folkerts

Date 10-20-03

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet 1

of 2

Complete if Known

Application Number	10/600.783
--------------------	------------

Filing Date	June 20, 2003
-------------	---------------

First Named Inventor	Metin N. Gurcan
----------------------	-----------------

Art Unit	2123
----------	------

Examiner Name

Attorney Docket Number	QUA 070 PA
------------------------	------------

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)			

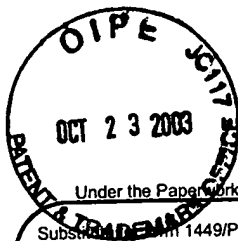
**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)
 Approved for use through 07/31/2006. OMB 0651-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substantive Exam 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number Filing Date First Named Inventor Art Unit Examiner Name	10/600,783
	June 20, 2003
	Metin N. Gurcan
	2123
Attorney Docket Number	QUA 070 PA

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		S.B. GOKTURK, C. TOMASI, B. ACAR, C. F. BEAULIEU, D. S. PAIK, R. B. JEFFREY, J. YEE, S. NAPEL, "A statistical 3-D pattern processing method for computer-aided detection of polyps in CT colonography," IEEE Trans. On medical Imaging, vol. 20, no. 12, pp. 1251-1260, 2001.	✓
		H. YOSHIDA, J. NAPPI, "Three-dimensional computer-aided diagnosis scheme for detection of colonic polyps," IEEE Trans. On Medical imaging, vol. 20, no. 12, pp. 1261-1274, 2001	✓
		J. NAPPI, A. H. DACHMAN, P. M. MACENEANEY, H. YOSHIDA, "Computer-aided detection of polyps in CT colonography: evaluation of volumetric features in differentiating polyps from false positives," International Congress Series, vol. 1230, pp. 676-681, 2001.	✓
		R. M. SUMMERS, A. K. JEREBKO, M. FRANASZEK, J. D. MALLEY, "An integrated system for computer-aided diagnosis in CT colonography: work in progress," International Congress Series, vol. 1230, pp. 669-675, 2001.	✓
		G. KISS, J. V. CLEYNENBREUGEL, M. THOMEER, P. SUETENS, G. MARCHAL, "Computer-aided diagnosis in virtual colonography via combination of surface normal and sphere fitting methods," Eur. Radiol., vol. 12, pp. 77-81, 2002.	✓
		R. M. SUMMERS, "Challenges for computer-aided diagnosis for CT colonography," Abdom. Imaging, vol. 27, pp. 268-274, 2002	✓
		A. OTO, "Virtual endoscopy," European Journal of Radiology, vol. 42, pp. 231-239, 2002.	✓
		W. LUBOLDT, C. MANN, C. L. TRYON, R. VONTHEIN, D. STUEKER, M. KROLL, O. LUZ, C. D. CLAUSSEN, T. J. VOGL, "Computer-aided diagnosis in contrast-enhanced CT colonography: an approach based on contrast," Eur. Radiol., vol. 12, pp. 2236-2241, 2002.	✓
		R. M. SUMMERS, A. K. JEREBKO, M. FRANASZEK, J. D. MALLEY, C. D. JOHNSON, "Colonic polyps: complementary role of computer-aided detection in CT colonography," Radiology, vol. 225, pp. 391-399, 2002.	✓
		A. K. JEREBKO, R. M. SUMMERS, J. D. MALLEY, M. FRANESZEK, C. D. JOHNSON, "Computer-assisted detection of colonic polyps with CT colonography using neural networks and binary classification trees," Med. Phys., vol. 30, no. 1, pp. 52-60, 2003.	✓

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.